

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11.

1. Pyruvate Carboxylase
2. PEP Carboxy Kinase
3. FBPase
4. Glucose-6-Pase
5. Phosphoglucoisomerase
6. Aldolase
7. Triosephosphate isomerase
8. Phosphoglycerate Kinase
9. Phosphoglycerate Kinase
10. Phosphoglyceromutase
11. Enolase

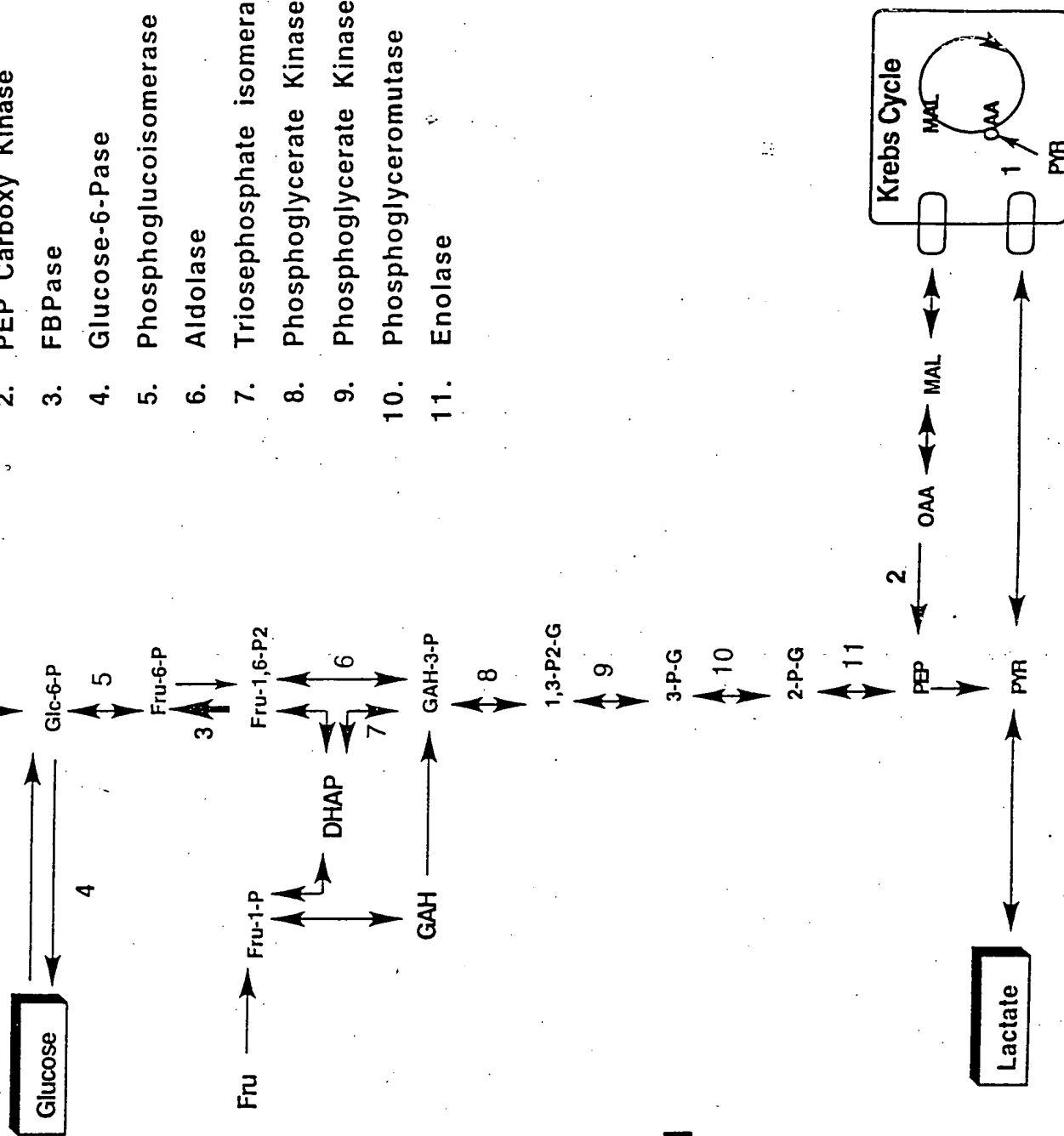


FIGURE 1

## *In Vitro* inhibition of hFBPase

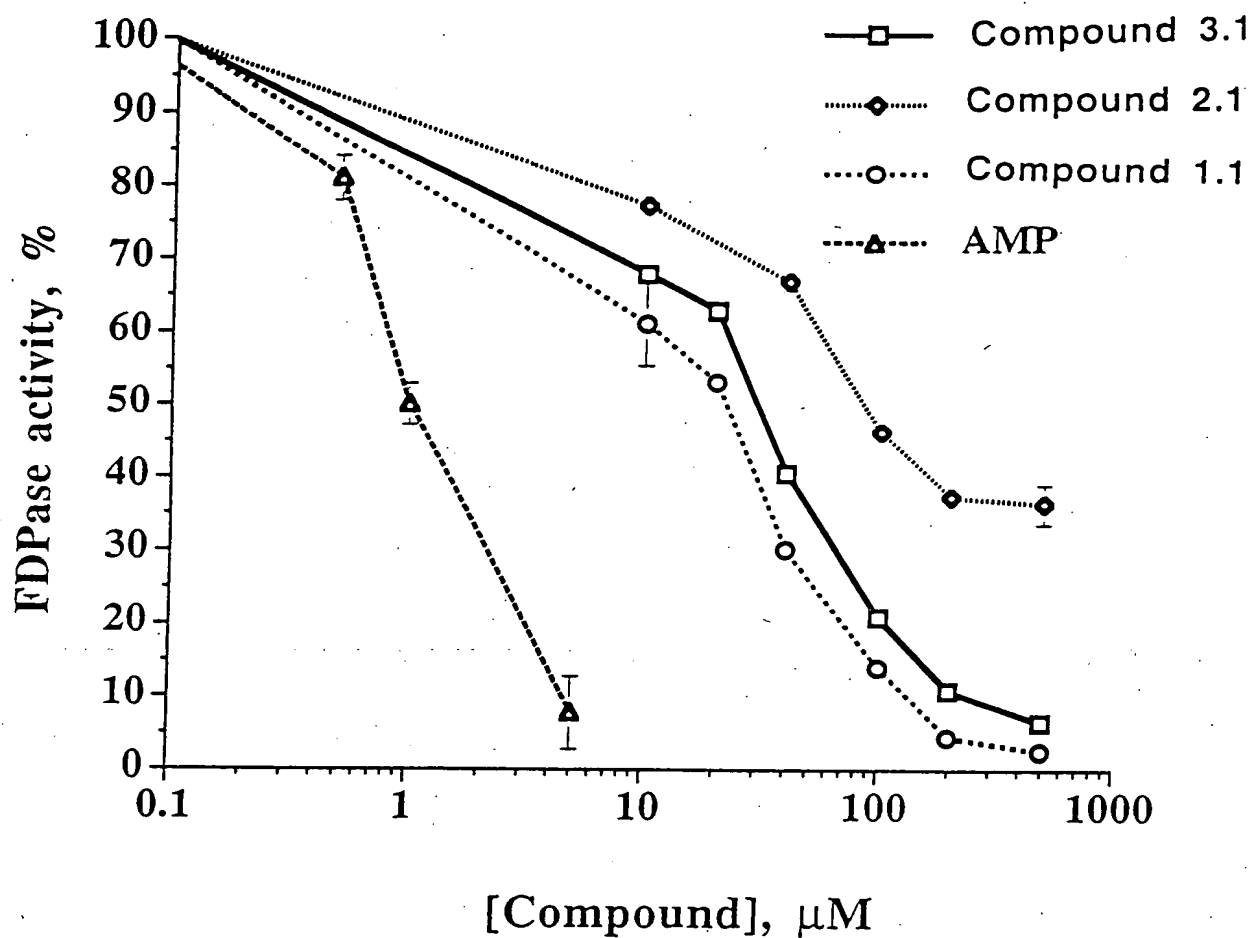


FIGURE 2

## Displacement of AMP from hlFBPase

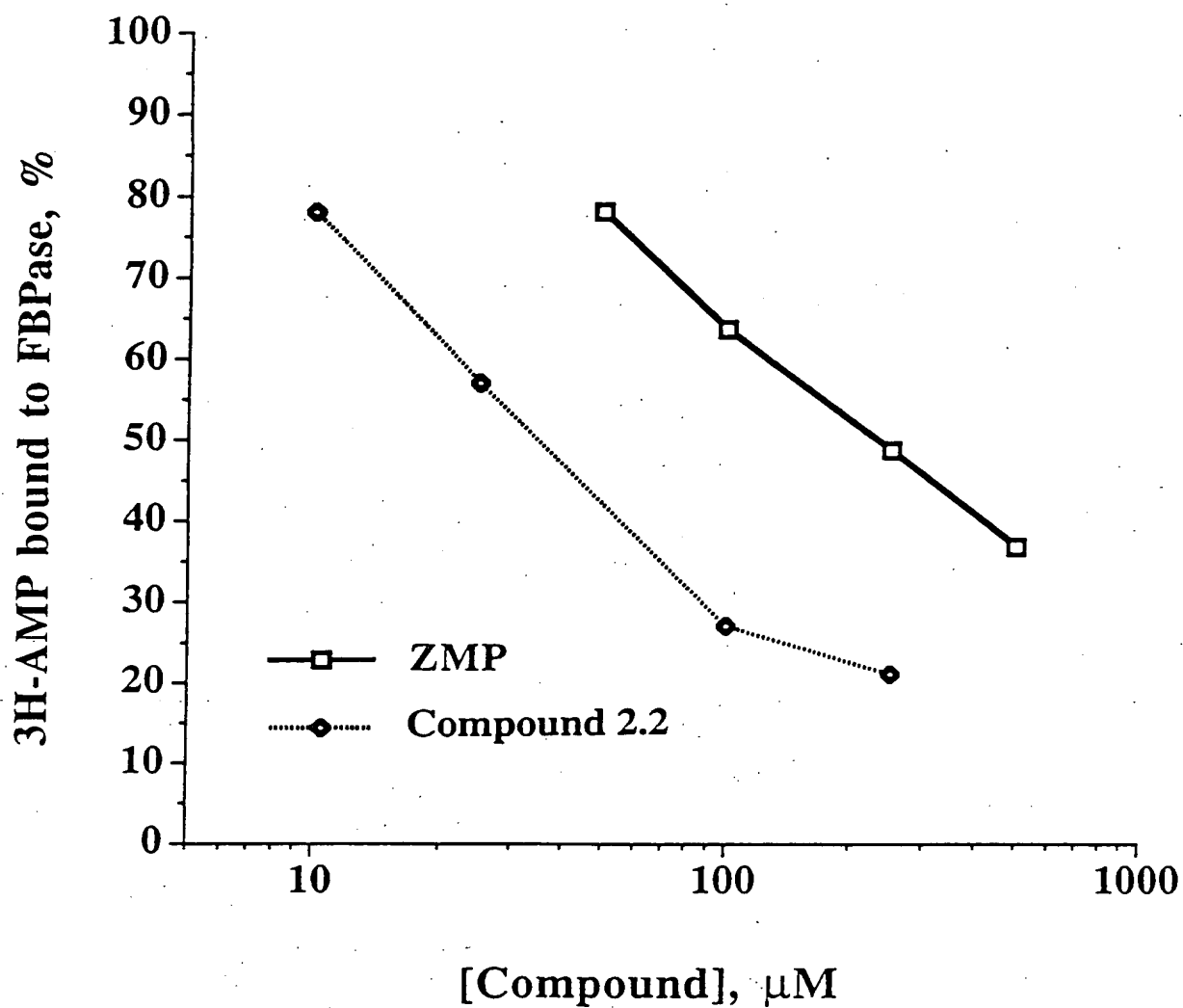


FIGURE 3

## Effect of Compound 2.7 on Gluconeogenesis from Dihydroxyacetone in Rat Hepatocytes

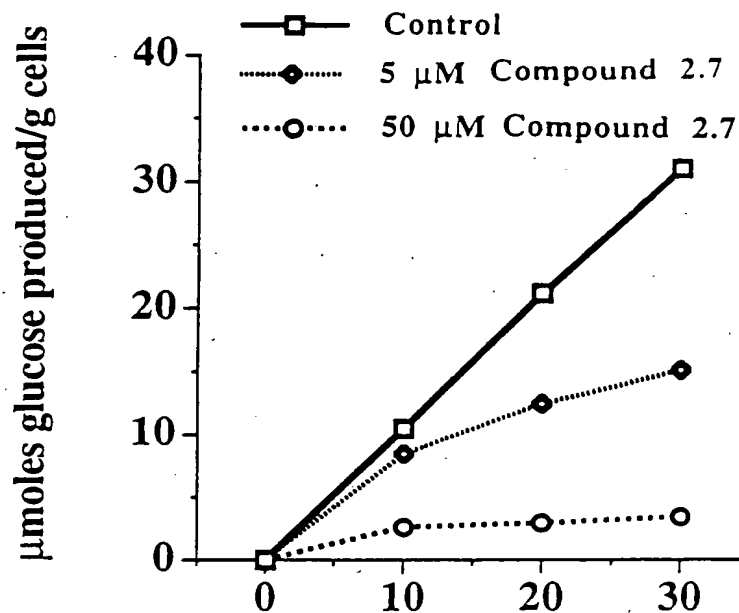


FIGURE 4A

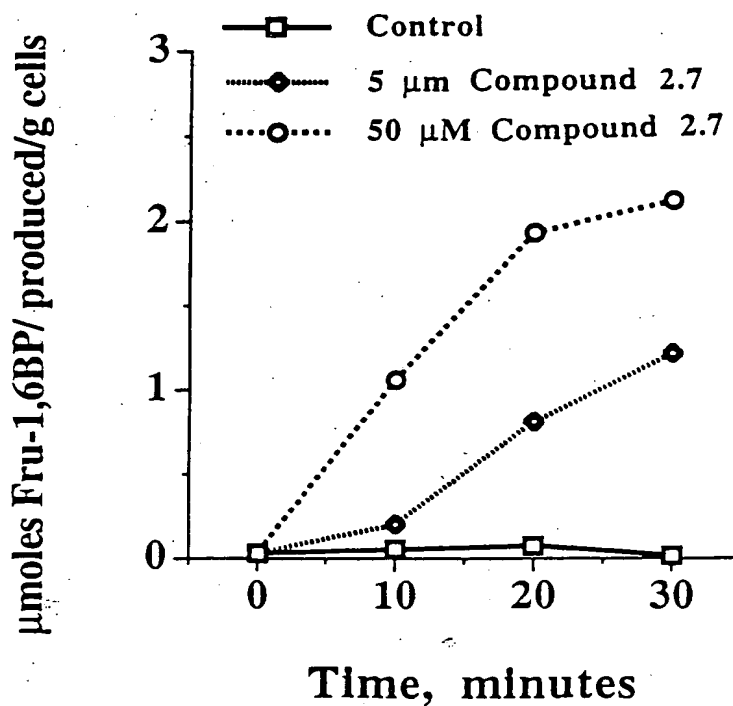


FIGURE 4B

# Inhibition of Glucose Production From Lactate Pyruvate (Rat Hepatocytes)

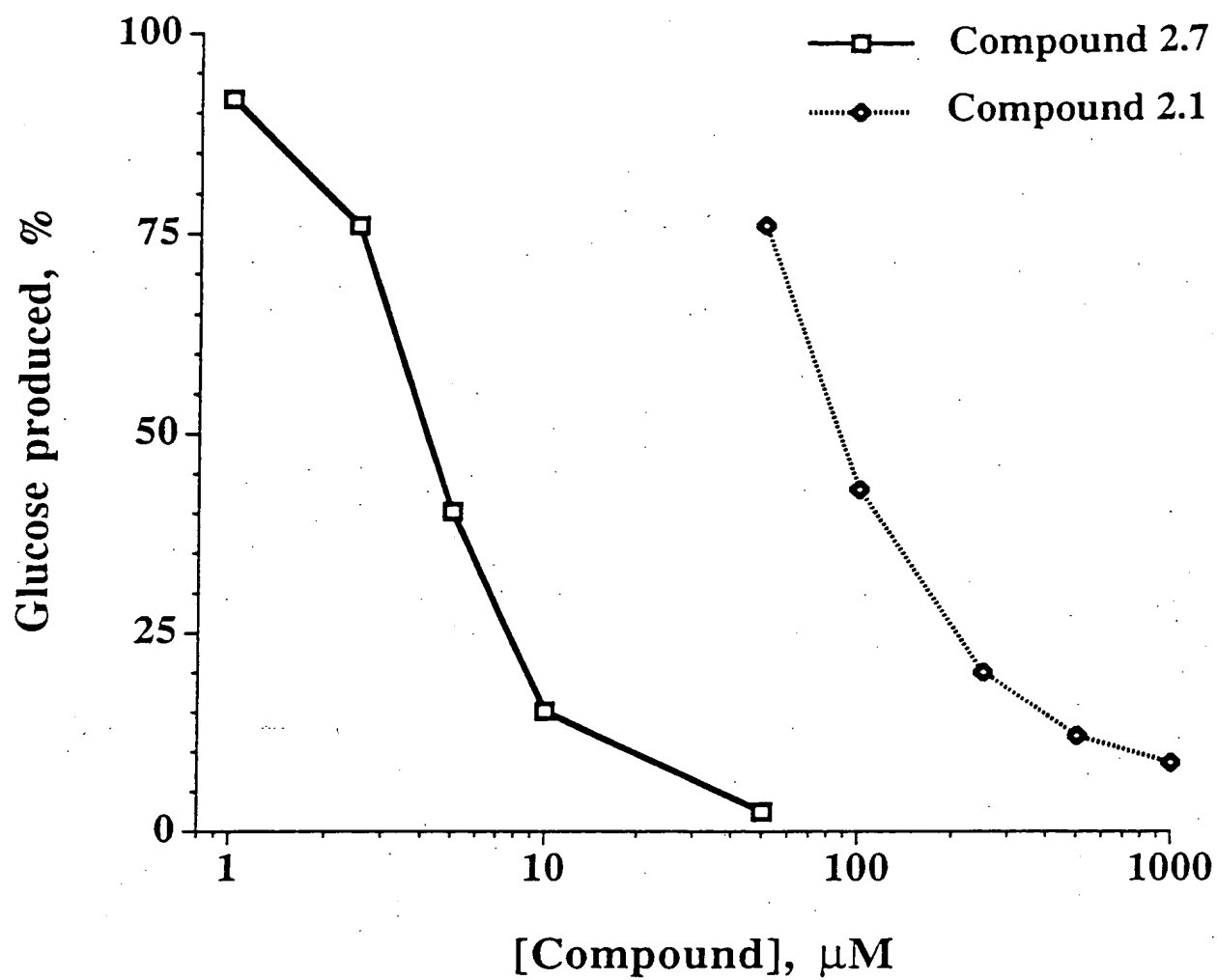


FIGURE 5

Compound 16.4 in 18h-Fasted, Normal Rats (i.p.)

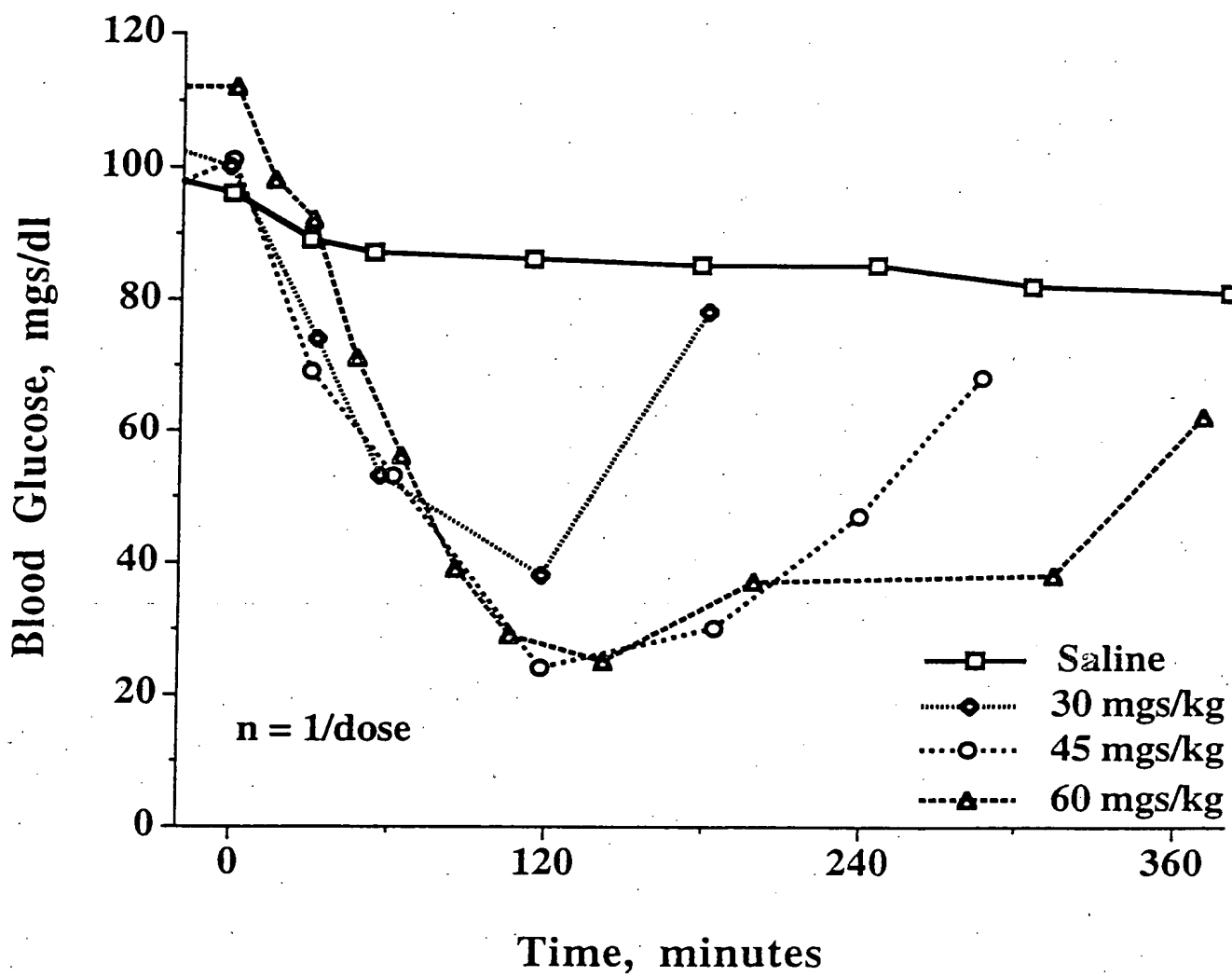


FIGURE 6

Compound 2.7 in 18-hour fasted rats  
(20 mgs/kg, i.p.)

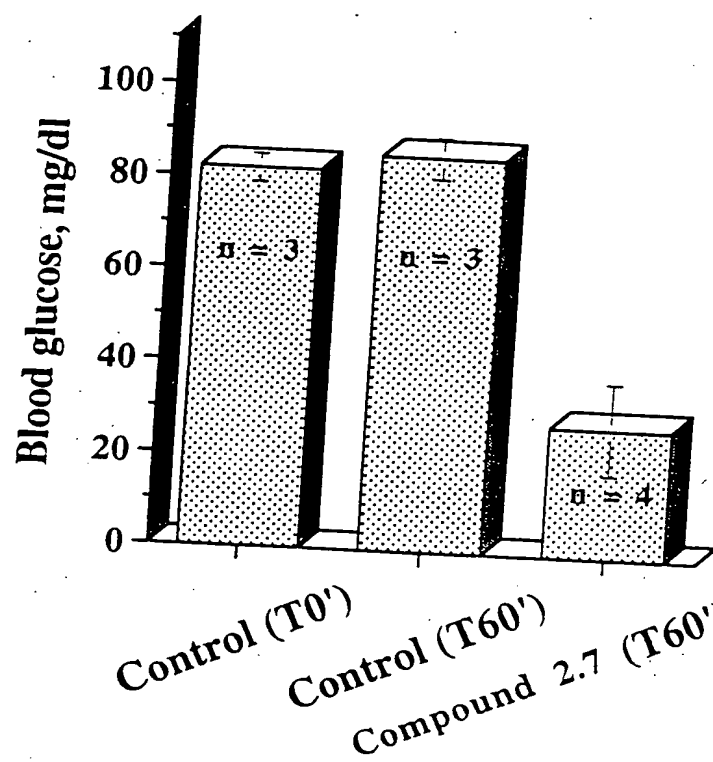


FIGURE 7

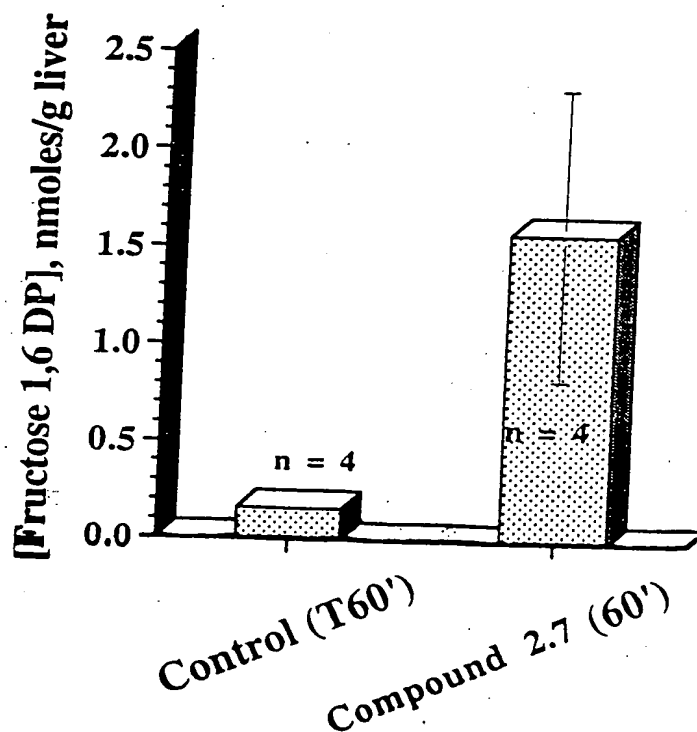


FIGURE 8

## 24h fasted ZDF Rats + COMPOUND 2.7

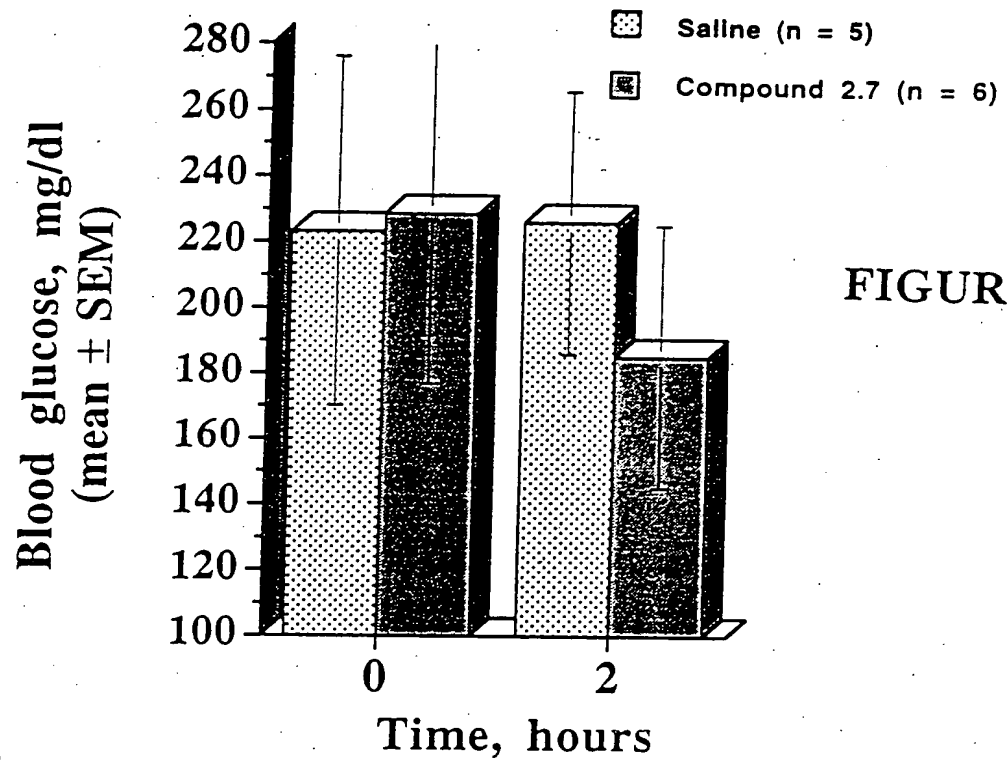


FIGURE 9A

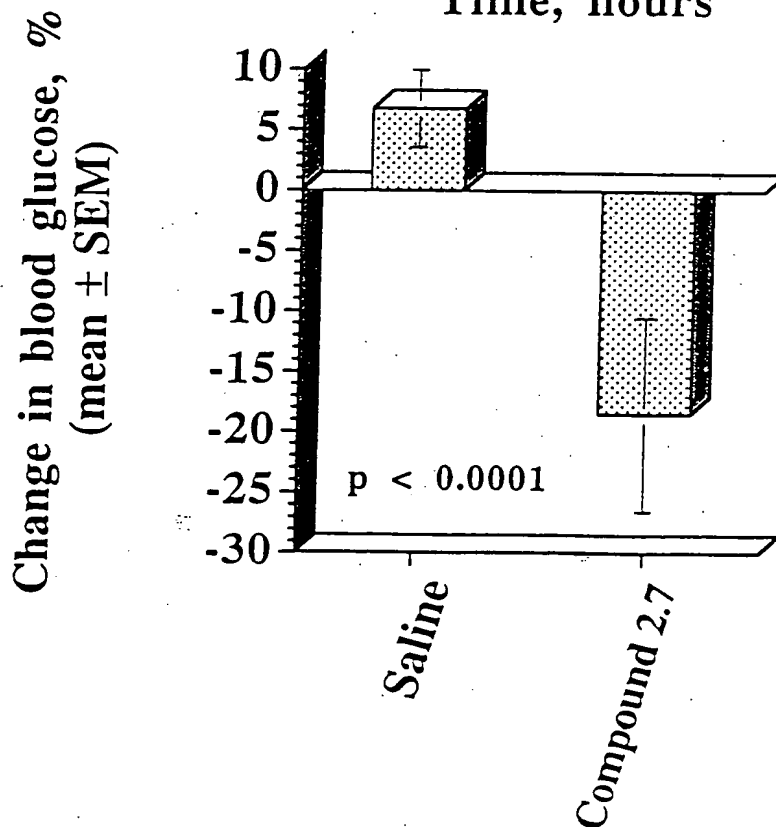
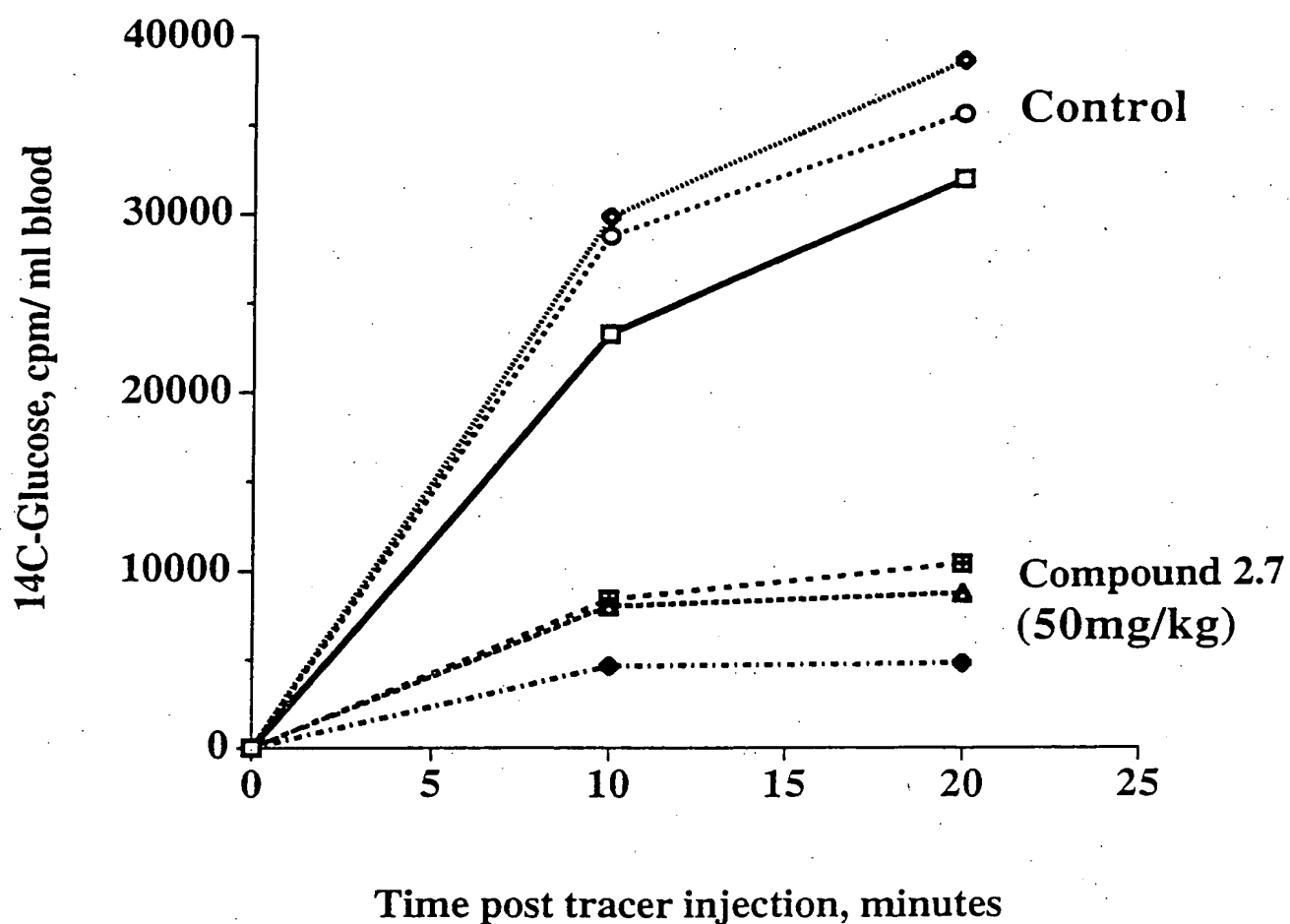


FIGURE 9B



**Gluconeogenesis from  $^{14}\text{C}$  bicarbonate in 24-h fasted ZDF Rats (20 week old)**



**FIGURE 10**

# Rat Hepatocytes: Inhibition of Glucose Production and Cellular Penetration

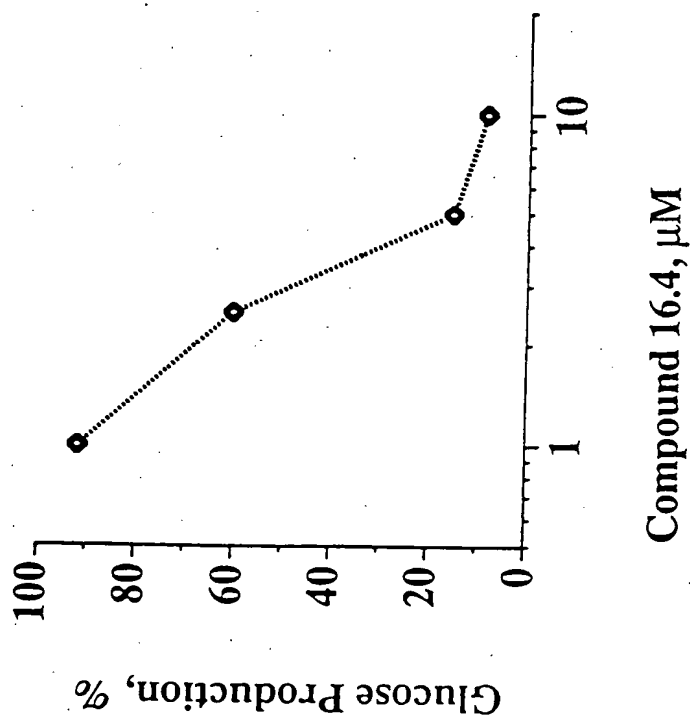


FIGURE 11B

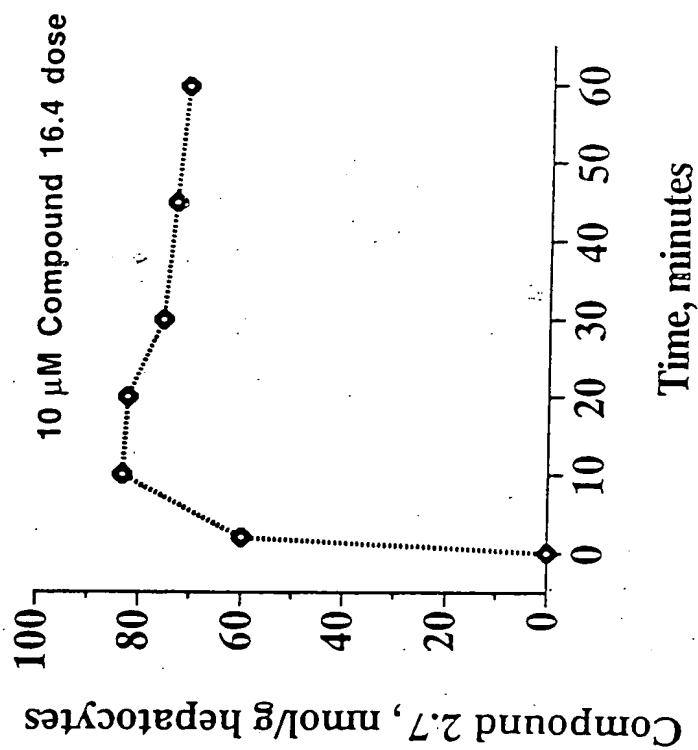


FIGURE 11A